Fig. 1

A   Wild Type Template

3'   CTGAGCAGTACAGAGTCGAAATC 5' 10866(SEQ ID NO:81)

TCTGACTCGTCGTCATGTCTCCAGCTTTAGTTTAATACGACTCACTATAG

      T

      A

    GTCTCTTTCTGTTATATCAAG 5'   3'TCCACCTTAGTGTGACTC 10865(SEQ ID NO:76)

5'TTGCAGAGAAAGACAATATAGTTCTTGGAGAAGGTGGAATCACACTGAGTGGA 10870(SEQ ID NO:77)

            3'CCACTTCCACCTTAGTGTGACTC 5' 10869(SEQ ID NO:79)

B   Mutant Template

3'   CTGAGCAGTACAGAGTCGAAATC 5'10866(SEQ ID NO:81)

TCTGACTCGTCGTCATGTCTCCAGCTTTAGTTTAATACGACTCACTATAG

      T

      A

    GTCTCTTTCTGTTATATCAAG 5'   3'TCCACCTTAGTGTGACTC   10865(SEQ ID NO:76)

5'TTGCAGAGAAAGACAATATAGTTCTTTGAGAAGGTGGAATCACACTGAGTGGA 10994(SEQ ID NO:78)

         3'ACACTTCCACCTTAGTGTGACTC 5' 10989(SEQ ID NO:80)

Fig. 2

A.

5' ...CCCGGAGAGACCTCCTTAAGGGGCCATATTATTTCGTCGATTCCAGTGTTGGCCAAACGG   T...3'
                                                                     A
                              SEQ ID NO:67

3' AGCTAAGGTCACAACCGGTTGCCGCTTTATTATATACCGGGG 5'

                              SEQ ID NO:68

B.

5' ...CCCGGAGAGACCTCCTTAAGGGGCCATATTATTTCGTCGATTCCAGTGTTGGCCAAACGG   T..3'
                                                                     A
                              SEQ ID NO:67

3' GGGCCTCTCTGGAGGAATTCCCCGGTATAATAAAGCAGCTAAGGTCACAACCGGTTTGCCGCTTTATTATATACCGGGG 5'

                              SEQ ID NO:69

C.

5' CCCGGAGAGACCTCCT 3'
                              SEQ ID NO:70

3' GGGCCTCTCTGGAGGAATTCCCCGGTATAATAAAGCAGCTAAGGTCACAACCGGTTTGCCGCTTTATTATATACCGGGG 5'

                              SEQ ID NO:69

D.

5' CCCGGAGAGACCTCCTTAAGGGGCCATATTATTTCGTCGATTCCAGTGTTGGCCAAACGGGCGAAATAATATGGCCCC 3'

                              SEQ ID NO:71

3' GGGCCTCTCTGGAGGAATTCCCCGGTATAATAAAGCAGCTAAGGTCACAACCGGTTTGCCGCTTTATTATATACCGGGG 5'

                              SEQ ID NO:69

E.

3' CCCCGGTATAATAAAGC

5' CCCGGAGAGACCTCCTTAAGGGGCCATATTATTTCGTCGATTCCAGTGTTGGCC

                              SEQ ID NO:71